

L5 ANSWER 62 OF 64 CA COPYRIGHT 2004 ACS on STN
 AN 108:26331 CA
 ED Entered STN: 23 Jan 1988
 TI Organic **fiber**-reinforced **cement** products of high strength
 IN Seto, Kazuo; Inoue, Minoru
 PA Matsushita Electric Works, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C04B016-06
 ICS B28C007-02
 CC 58-1 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62223046	A2	19871001	JP 1986-62850	19860320
PRAI	JP 1986-62850		19860320		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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JP 62223046	ICM	C04B016-06
	ICS	B28C007-02

AB A dry **cement** mix is mixed with 0.5-3 vol.% org. **fibers** of length <6 mm and aspect ratio >100, kneaded with water, molded, and hardened. Thus, a crack-free **cement** product was manufd. from a mixt. of portland **cement** 50, CaCO₃ 20, SiO₂ (av. diam. 0.1 .mu.) 10, and SiO₂ 20 wt.% with 1 vol.% **polypropylene fibers** of length 3 mm and aspect ratio 179. It had bending strength 380 kg/cm² and Charpy impact strength 2.5 kg-cm/cm² vs. 310 kg/cm² and 1.5 kg-cm/cm² when 0.4 vol.% **polypropylene fibers** were added.
 ST **polypropylene fiber cement** reinforcing;
 vinal **fiber cement** reinforcing
 IT Polypropene **fibers**, uses and miscellaneous
 RL: USES (Uses)